

LV Aerial Bundled Conductor (ABC) Cables**600/1000V ABC –Aerial Bundled Cables to DES/LVC/ABC Specification
& IEC 60502 (AL/XLPE)****Application**

The aerial bundled cables designed for overhead distribution lines have all conductors made of aluminium 1350 and insulated with XLPE. Can be used for fixed installation as overhead power lines up to 1000 V incl.

Standard

DES/LVC/ABC Specification

IEC 60502

Cable Construction

Conductor (for either phase, neutral or street lighting)	The conductors shall be of H68 aluminium conductor and compacted circular stranded (RM).
Insulation	XLPE.
Assembly	The cores shall be laid up with a left-hand lay.

Electrical Properties

Rated Voltage	0.6/1kV
Test Voltage	4 Veff kV
Minimum Laying Temperature	-20°C
Operating Temperature	-40°C~ +90°C
Maximum Short-circuit Temperature	250°C
Maximum Conductor Temperature	80°C
Minimum Bending Radius	18×OD

Dimensions

Number of cores x nominal cross section	min. breaking load of conductor strand	Current rating in the air	Outer diameter	Total weight
mm ²	kN	A	mm	kg/km
4x25 RM	3.5	84	21.5	420
4x35 RM	4.9	104	23.9	550
4x120+1x25 RM	16.8	246	43.8	1800
4x185+1x25 RM	25.9	332	50.7	2700

other cross-sections on request